

P29138.A04



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Akiko ITAI et al.

Group Art Unit : Not Assigned Yet

Appln. No. : 10/564,407
(National Stage of PCT/JP2004/010558)

Examiner : Not Assigned Yet

I.A. Filed : July 16, 2004

Confirmation No.: 3483

For : MEDICAMENT FOR TREATMENT OF DERMAL PIGMENTATION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, Applicants hereby bring to the attention of the Examiner an International Search Report with respect to International Application PCT/JP2004/010558, of which the present application is the U.S. national stage application:

- (1) U.S. Patent Publication No. 2003/0083386;
- (2) WO 02/076926 A1;
- (3) WO 02/067919 A1;
- (4) Japanese Laid-open Patent Publication (KOKAI) HEI 11-21225, together with an English language abstract of the same;

- (5) WO 03/103655 A1, together with English language family member, European Patent Publication No. EP 1 535 610 A1; Applicants note that this document is also cited at page 2, line 24 of the present application;
- (6) WO 2004/006906 A2;
- (7) WO 02/49632, together with English language family members, European Patent Publication No. EP 1 352 650 A1 and U.S. Patent Publication No. 2004/259877.
- (8) BERKING, et al., American Journal of Pathology, 2001, Vol. 158, No. 3, pp. 943-953; and
- (9) SINGH, et al., Histology and Histopathology, 2000, Vol. 15, pp. 843-849.

Applicants further bring to the Examiner's attention the following documents, which are cited in the specification of the present application:

- (10) RECIO, et al., Cancer Research, 2002, Vol. 62, No. 22, pp. 6724-6730, cited in the specification beginning at page 2, line 2;
- (11) U.S. Patent No. 4,358,443, cited in the specification beginning at page 2, line 11;
- (12) European Patent Publication No. 0 221 211 (which is a family member of Japanese Patent Publication (KOKAI) No. 62-99329, listed below), cited in the specification beginning at page 2, line 13;
- (13) Japanese Patent Publication (KOKAI) No. 62-99329, cited in the specification beginning at page 2, line 13;
- (14) U.S. Patent No. 6,117,859, cited in the specification beginning at page 2, line 14;
- (15) WO 99/65499, cited in the specification beginning at page 2, line 15;

- (16) WO 02/076918, together with English language family members, European Patent Publication No. EP 1 314 712 and U.S. Patent Application Publication No. 2004/122244, cited in the specification beginning at page 2, line 16;
- (17) WO 02/051397, together with English language family members, European Patent Publication No. EP 1 344 525 and U.S. Patent Application Publication No. 2004/048891, cited in the specification beginning at page 2, line 18;
- (18) WO 03/103654, together with English language family member, European Patent Publication No. EP 1 535 609, cited in the specification beginning at page 2, line 22.
- (19) WO 03/103657, together with English language family member, European Patent Publication No. EP 1 555 018, cited in the specification beginning at page 2, line 26;
- (20) WO 03/103648, together with English language family member, European Patent Publication No. EP 1 510 207, cited in the specification beginning at page 2, line 28;
- (21) WO 03/103665, together with English language family member, European Patent Publication No. EP 1 514 544, cited in the specification beginning at page 2, line 30;
- (22) WO 03/103647, together with English language family member, European Patent Publication No. EP 1 512 396, cited in the specification beginning at page 2, line 32; and

- (23) WO 03/103658, together with English language family member, European Patent Publication No. EP 1 510 210, cited in the specification beginning at page 2, line 33.

Applicants also bring to the attention of the Examiner the following copending, and commonly assigned, U.S. Patent Applications and published PCT Applications:

- (24) U.S. Application No. 10/433,619, and corresponding International Patent Application Publication WO 02/049632;
- (25) U.S. Application No. 10/515,341, and corresponding International Patent Application Publication WO 03/103648;
- (26) U.S. Application No. 10/515,343, and corresponding International Patent Application Publication WO 03/103658;
- (27) U.S. Application No. 10/515,623, and corresponding International Patent Application Publication WO 03/103665;
- (28) U.S. Application No. 10/515,342, and corresponding International Patent Application Publication WO 03/103647;
- (29) U.S. Application No. 10/516,294, and corresponding International Patent Application Publication WO 03/103654;
- (30) U.S. Application No. 10/515,622, and corresponding International Patent Application Publication WO 03/103656;
- (31) U.S. Application No. 10/516,292, and corresponding International Patent Application Publication WO 03/103655;

- (32) U.S. Application No. 10/516,293, and corresponding International Patent Application Publication WO 03/103657.

Applicants also bring the following information to the attention of the Examiner, which has been provided to the Office in the above-listed copending, and commonly assigned, applications:

- (33) CLARK, et al., Nucleic Acids Research, Vol. 14, No. 20, pp. 7897-7913 (1986);
- (34) NEDOSPASOV, et al., Cold Spring Harbor Symposia on Quantitative Biology, Vol. 51, pp. 611-624 (1986);
- (35) VERMA, et al., Genes & Development, Vol. 9, pp. 2723-2735 (1995);
- (36) DiDONATO, et al., Nature, Vol. 388, pp. 548-554 (1997);
- (37) RÉGNIER, et al., Cell, Vol. 90, pp. 373-383 (1997);
- (38) WORONICZ, et al., Science, Vol. 278, pp. 866-869 (1997);
- (39) ZANDI, et al., Cell, Vol. 91, pp. 243-252 (1997);
- (40) KOPP, et al., Science, Vol. 265, pp. 956-959 (1994);
- (41) YIN, et al., Nature, Vol. 396, pp. 77-80 (1998);
- (42) SCHEINMAN, et al., Science, Vol. 270, pp. 283-286 (1995);
- (43) MANNA, et al., Journal of Immunology, Vol. 164, pp. 2095-2102 (1999);
- (44) SULLIVAN, et al., J. Med. Chem., Vol. 41, pp. 413-419 (1998);
- (45) MATSUMOTO, et al., Bioorganic & Medicinal Chemistry Letters, Vol. 10, pp. 865-869 (2000);
- (46) OKAMOTO, 18th Meeting of Japanese Inflammatory Society, pp. 57, (2000), accompanied by an English translation;

- (47) MACIELAG, et al., J. Med. Chem., Vol. 41, pp. 2939-2945 (1998);
- (48) ZWAAGSTRA, et al., Eur. J. Med. Chem., Vol. 31, pp. 861-874 (1996);
- (49) SHARANIN, Zh. Org. Khim., Vol. 16, pp. 2185-2188 (1980), accompanied by an English language Abstract (provided by Chem. Abstract; 94:192195c);
- (50) YAMAMOTO, et al., Chem. Pharm. Bull., Vol. 44, No. 4, pp. 734-745 (1996);
- (51) SOUTH, et al., J. Heterocyclic Chem., Vol. 28, pp. 1017-1024 (1991);
- (52) TAJIKA, Yakugaku Zasshi, Vol. 81, pp. 1456-1459 (1961), accompanied by a partial English language translation ;
- (53) OKAMIYA, Nihon Kagaku Zasshi, Vol. 83, pp. 209-211 (1962), accompanied by a partial English language translation;
- (54) YURA, et al., Chem. Pharm. Bull., Vol. 10, pp. 376-382 (1962);
- (55) DIÉZ-BERRA, et al., Tetrahedron, Vol. 53, No. 33, pp. 11437-11448 (1997);
- (56) HILL, et al., Cell, Vol. 73, pp. 395-406 (1993);
- (57) MADAN, et al., Molecular Pharmacology, Vol. 58, No. 3., pp. 526-534 (2000);
- (58) MATSUZAKI, et al., Amer. J. Reproductive Immunol., 1986, Vol. 40, pp. 291-294;
- (59) UCHIIDE, et al., Nikkei Medical, 2002, No. 415, page 28, accompanied by an English translation;
- (60) UCHIIDE, et al., Fertility and Sterility, 2002, Vol. 78, No. 4, page 782-786;
- (61) CHEGINI, Frontiers in Bioscience, 2002, Vol. 7, page e91-115;
- (62) AISEN, Journal of Pain and Symptom Management, 2002, Vol. 23, No. 4, page S35-40;
- (63) BAUD, et al., Trends in Cell Biology, 2001, Vol. 11, No. 9, page 372-377;
- (64) DAIDONE, et al., Farmaco, 1989, Vol. 44, No. 5, page 465-473;

- (65) DJURIC et al., Journal of Medicinal Chemistry, 2000, Vol.43, No.16, pp. 2975-2981;
- (66) DOU, et al., Proceedings of The National Academy of Sciences of the United States of America, 2003, Vol.100, No. 2, page 721-726;
- (67) DUMAS, et al., Bioorganic and Medicinal Chemistry Letters, 1999, Vol. 9, No.17, pp. 2531-2536;
- (68) ELDAR-FINKELMAN, Trends of Molecular Medicine, 2002, Vol. 8, No. 3, pp. 126-132;
- (69) FRAME, et al., The Biochemical Journal, 2001, Vol. 359, No. PT1, page 1-16;
- (70) HOSHI, et al., Proceedings of The National Academy of Sciences of the United States of America, 1996, Vol. 93, No. 7, pp. 2719-2723;
- (71) HIS, R. et al., The Journal of Organic Chemistry, 1972, Volume 37, No. 22, pp. 3427-3431;
- (72) HUNT, et al., The Journal of the Chemical Society, 1956, pp. 3099-3107;
- (73) INABA, et al., Chemical and Pharmaceutical Bulletin, 2000, Vol. 48, pp. 131-139;
- (74) ISHIGE, et al., Yakugaku Zasshi, 1999, Vol. 119, No. 7, pp. 510-518;
- (75) KANG, et al., Neuroreport, 2001, Vol. 12, No.7, pp. 1449-1452;
- (76) KARIN, et al., Proceedings of The National Academy of Science of The United States of America, 1998, Vol. 95, No.16, pp. 9067-9069;
- (77) KARTTUNEN, et al., Proceedings of the National Academy of Sciences of United States of America, 1991, Volume 88, No. 9, pp. 3972-3976;

- (78) KAYTOR, et al., Current Opinion of Neurobiology, 2002, Vol. 12, No. 3, pp. 275-278;
- (79) KIM, et al., The Journal of Clinical Investigation, 2001, Volume 108, No. 3, pp. 437-446;
- (80) KLOSA, Journal für Praktische Chemie, 1964, Volume 25, No.1-2, page 48-55 together with English language Abstract (provided by Chemical Abstracts) of the same, Column 4022, paragraph 6-Column 4023;
- (81) KONTA, et al., The Journal of Biological Chemistry, 2001, Vol. 276, No. 16, pp. 12697-12701;
- (82) LADVA, et al., Indian Journal of Chemistry, Section B, 1996, Vol. 35B, No.10, pp. 1062-1066;
- (83) LEE, et al., Proceedings of The National Academy of Science of The United States of America, 1998, Vol. 95, No.16, pp. 9319-9324;
- (84) MAILLIOT, et al., Annals of The New York Academy of Science, 2000, Vol. 920, pp. 107-114;
- (85) MATTSON, et al., The Journal of Clinical Investigation, 2001, Vol. 107, No. 3, pp. 247-254;
- (86) MATTSON, et al., Cell and Tissue Research, 2000, Vol. 301, No. 1, pp. 173-187;
- (87) MILLET, et al., The Journal of Biological Chemistry, 2000, Vol. 275, No. 20, pp. 15114-15121;
- (88) MORI, et al., Yakugaku Zasshi, 1975, Vol. 95, No. 12, pp. 1477-1482, together with an English language abstract of the same;

- (89) NOBLE, et al., Neuron, 2003, Vol. 38, No. 4, pp. 555-565;
- (90) PALANKI, et al., Current Medicinal Chemistry, 2002, Volume 9, No. 2, page 219-227;
- (91) PHIEL, et al., Nature, 2003, Vol. 423, No.6938, pp. 435-439;
- (92) PIU, F. et al., Molecular and Cellular Biology, 2001, Vol. 21, No. 9, pp. 3012-3024;
- (93) ROBERT-PIESSARD, et al., Pharmaceutical Science, 1997, Vol. 3, No. 5/6, pp. 295-299;
- (94) SATO, et al., The Journal of Biological Chemistry, 2002, Vol. 277, No. 44, pp. 42060-42065;
- (95) UMEZAWA, Surgery Frontier, 2002, Vol. 9, No. 2, pp. 88-91, together with English language translation of the same;
- (96) UPADHYAY, et al., Indian Journal of Heterocyclic Chemistry, 1991, Vol. 1, No. 2, pp. 71-74;
- (97) WAISSER, et al., Archiv der Pharmazie, 1998, Vol. 331, No.1, pp. 3-6;
- (98) WAJANT, Cellular Signaling, 2001, Vol. 13, No. 6, pp. 389-400;
- (99) WEST, et al., Analytical Biochemistry, 1990, Volume 190, No. 2, pp. 254-258;
- (100) WON, et al., Neuroscience, 1999, Vol. 94, No.1, pp. 83-91;
- (101) YIN, et al., Cell, 1998, Vol. 93, No. 5, pp. 875-884;
- (102) XU, et al., The Journal of Neuroscience, 2001, Vol. 21, No.1, RC118, 5 pages;
- (103) YAMAMOTO, et al., The Journal of Clinical Investigation, 2001, Vol. 107, No. 2, pp. 135-142;

- (104) YUAN, et al., Science, 2001, Volume 293, pp. 1673-1677;
- (105) OHSUGI, et al., Yakugaku Zasshi, 1976, Vol. 96, No. 2, pp. 165-169, together with an English language Abstract of the same;
- (106) U.S. Patent No. 4,560,549;
- (107) U.S. Patent No. 4,742,083;
- (108) U.S. Patent No. 4,725,590;
- (109) U.S. Patent No. 5,958,911;
- (110) U.S. Patent No. 4,287,191;
- (111) U.S. Patent No. 3,331,874;
- (112) U.S. Patent No. 3,906,023;
- (113) U.S. Patent No. 4,661,630;
- (114) U.S. Patent No. 6,225,329;
- (115) U.S. Patent No. 6,262,044;
- (116) U.S. Patent No. 6,410,586;
- (117) U.S. Patent Publication No. 2002/002199 A1;
- (118) U.S. Patent Publication No. 2002/019412 A1;
- (119) U.S. Patent Publication No. 2002/165398 A1;
- (120) U.S. Patent Publication No. 2003/069267 A1;
- (121) G.B. Patent No. 996,074;
- (122) WO 97/09315, which is a family member of JP 11-512399 and U.S. family members U.S. 5,852,028, U.S. 5,811,428, and U.S. 5,935,966;
- (123) JP 9-227561, accompanied by an English language abstract (provided by esp@cenet);

P29138.A04

- (124) JP 10-87491, accompanied by an English language abstract;
- (125) EP 1 018 514 A1, which is a family member of WO 00/05234;
- (126) JP 10-45738, accompanied by an English language abstract (provided by esp@cenet);
- (127) WO 93/24115;
- (128) WO 96/17832;
- (129) WO 98/20864;
- (130) WO 99/24404, together with U.S. family member U.S. Patent No. 6,022,884;
- (131) WO 99/46267, together with family member, Japanese Patent Publication No. 2002-506072, together with U.S. family members;
- (132) WO 99/55663 together with U.S. family members U.S. Patent No. 6,653,309 and U.S. Patent Publication No. 2004/087650 A1;
- (133) WO 00/03991;
- (134) WO 00/35442;
- (135) WO 01/00213;
- (136) WO 01/44217;
- (137) WO 01/68648;
- (138) WO 01/98290 together with Japanese family member JP2004-501146 and family member U.S. Patent No. 6,414,013;
- (139) WO 02/28819;
- (140) European Patent Publication No. EP 1 088 819, together with family member Japanese Patent Publication No. 2001-114768 and U.S. family members U.S. Patent No. 6,787,652 and U.S. Patent Publication No. 2004/157844 A1;

- (141) European Patent Publication No. EP 0 551 849, together with family member Japanese Laid-open Patent Publication No. HEI 6-9476 and U.S. family members U.S. Patent Nos. 5,589,514; 5,776,977 and 6,159,988;
- (142) European Patent Publication No. EP 0 452 873, together with family member Japanese Laid-open Patent Publication No. HEI 4-217981 and U.S. family member U.S. Patent No. 5,126,341;
- (143) European Patent Publication No. EP 0 483 881;
- (144) European Patent Publication No. EP 1 205 478, which is also the publication for WO 01/10865;
- (145) European Patent Publication No. EP 0 198 456;
- (146) European Patent Publication No. EP 1 219 596, which is a family member of WO 01/12588, together with an English language Abstract and U.S. family member U.S. Patent No. 6,566,394;
- (147) European Patent Publication No. EP 0 317 991, which is a family member of Japanese Laid-open Patent Publication No. HEI 2-138260, together with an English language Abstract and family members U.S. Patent Nos. 4,786,644; 4,952,588 and 4,966,906;
- (148) European Patent Publication No. EP 0 221 346, which is a family member of Japanese Laid-open Patent Publication No. SHO 62-81359, together with an English language Abstract and U.S. family member U.S. Patent No. 4,939,133;
- (149) Japanese Patent Publication No. 2000-80041, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);

- (150) Japanese Patent Publication No. HEI 9-169747, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (151) Japanese Patent Publication No. SHO 63-104912, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (152) Japanese Patent Publication No. HEI 11-21243, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (153) Japanese Laid-open Patent Publication No. HEI 11-217361, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (154) Japanese Laid-open Patent Publication No. HEI 8-175990, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (155) Japanese Laid-open Patent Publication No. HEI 4-217916, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (156) Japanese Laid-open Patent Publication No. SHO 62-30780, together with an English language Abstract and family member U.S. Patent Nos. 4,659,710 and 4,690,924;
- (157) Japanese Laid-open Patent Publication No. 2000-169479, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (158) Japanese Laid-open Patent Publication No. 52-110835, together with an English language Abstract (provided by PATENT ABSTRACT OF JAPAN);
- (159) United Kingdom Patent Publication No. GB 2 031 410;
- (160) United Kingdom Patent Publication No. GB 1 099 865, together with family member French Patent Publication No. FR 1 481 713.

Copies of the above-noted documents (with the exception of U.S. Patents and U.S. Patent Applications) are attached hereto and all of the documents are listed on the attached PTO-1449 Form. Furthermore, a copy of the International Search Report (in English) for International Application PCT/JP2004/010558 and the corresponding International Preliminary Report on Patentability (in English) are attached hereto as well. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the initialed Form to Applicants with the next official communication in the present application.

Further to the U.S. Patent and Trademark Office's decision to partially waive the requirements under 37 C.F.R. § 1.98 (a)(2)(i) and (iii), copies of the U.S. patents and U.S. patent applications cited above are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if any fee is necessary for consideration of this Information Disclosure Statement, the undersigned hereby authorizes the charging of any fee necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17 (p), to Deposit Account No. 19-0089.

P29138.A04

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Akiko ITAI et al.

A handwritten signature in black ink, appearing to read "Sean Myer".

Bruce H. Bernstein
Reg. No. 29,027

Reg. No. 42,920

June 23, 2006
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29138Application No.
10/564,407INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Akiko ITAI et al.Filing Date
July 16, 2004Group
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2003	0 0 8 3 3 8 6	05/01/03	YUAN et al.			
	2004	/ 2 5 9 8 7 7	12/23/04	MUTO et al.			
		4 3 5 8 4 4 3	11/09/82	COBURN et al.			
		6 1 1 7 8 5 9	09/12/00	EVANS et al.			
	2004	/ 1 2 2 2 4 4	06/24/04	SUZUKI et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	02	/ 0 7 6 9 2 6	10/03/02	W.I.P.O			
	02	/ 0 6 7 9 1 9	09/06/02	W.I.P.O			
	11	- 2 1 2 2 5	01/26/99	JAPAN			
	03	/ 1 0 3 6 5 5	12/18/03	W.I.P.O			
		1 5 3 5 6 1 0	06/01/05	E.P.O			
	2004	/ 0 0 6 9 0 6	01/22/04	W.I.P.O			
	02	/ 4 9 6 3 2	06/27/02	W.I.P.O			
		1 5 3 2 6 5 0	10/15/03	E.P.O			
		0 2 2 1 2 1 1	05/13/87	E.P.O			
	62	- 9 9 3 2 9	05/08/87	JAPAN			
	99	/ 6 5 4 9 9	12/23/99	W.I.P.O			
	02	/ 0 7 6 9 1 8	10/03/02	W.I.P.O			
		1 3 1 4 7 1 2	05/28/03	E.P.O			
	02	/ 0 5 1 3 9 7	07/04/02	W.I.P.O			
		1 3 4 4 5 2 5	09/17/03	E.P.O			
	03	/ 1 0 3 6 5 4	12/18/03	W.I.P.O			
		1 5 3 5 6 0 9	06/01/05	E.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 11-21225.
	2	BERKING, et al., American Journal of Pathology, 2001, Vol. 158, No. 3, pp. 943-953.
	3	SINGH, et al., Histology and Histopathology, 2000, Vol. 15, pp. 843-849.
	4	RECIO, et al., Cancer Research, 2002, Vol. 62, No. 22, pp. 6724-6730.
	5	U.S. Application No. 10/433,619
	6	U.S. Application No. 10/515,341

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P29138	Application No. 10/564,407
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Akiko ITAI et al.	
		Filing Date July 16, 2004	Group Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2004	/ 0 4 8 8 9 1	03/11/04	KATO et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	03	/ 1 0 3 6 5 7	12/18/03	W.I.P.O			
		1 5 5 5 0 1 8	07/20/05	E.P.O			
	03	/ 1 0 3 6 4 8	12/18/03	W.I.P.O			
		1 5 1 0 2 0 7	03/02/05	E.P.O			
	03	/ 1 0 3 6 6 5	12/18/03	W.I.P.O			
		1 5 1 4 5 4 4	03/16/05	E.P.O			
	03	/ 1 0 3 6 4 7	12/18/03	W.I.P.O			
		1 5 1 2 3 9 6	03/09/05	E.P.O			
	03	/ 1 0 3 6 5 8	12/18/03	W.I.P.O			
		1 5 1 0 2 1 0	03/02/05	E.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	7	U.S. Application No. 10/515,343.
	8	U.S. Application No. 10/515,623.
	9	U.S. Application No. 10/515,342.
	10	U.S. Application No. 10/516,294.
	11	U.S. Application No. 10/515,622.
	12	U.S. Application No. 10/516,292.
	13	U.S. Application No. 10/516,293.
	14	CLARK, et al., Nucleic Acids Research, Vol. 14, No. 20, pp. 7897-7914 (1986).
	15	NEDOSPASOV, et al., Cold Spring Harbor Symposia on Quantitative Biology, Vol. 51, pp. 611-624 (1986).
	16	VERMA, et al., Genes & Development, Vol. 9, pp. 2723-2735 (1995).
	17	DiDONATO, et al., Nature, Vol. 388, pp. 548-554 (1997).
	18	RÉGNIER, et al., Cell, Vol. 90, pp. 373-383 (1997).
	19	WORONICZ, et al., Science, Vol. 278, pp. 866-869 (1997).
	20	ZANDI, et al., Cell, Vol. 91, pp. 243-252 (1997).
	21	KOPP, et al., Science, Vol. 265, pp. 956-959 (1994).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P29138	Application No. 10/564,407
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Akiko ITAI et al.	
		Filing Date July 16, 2004	Group Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	22	YIN, et al., Nature, Vol. 396, pp. 77-80 (1998).
	23	SCHEINMAN, et al., Science, Vol. 270, pp. 283-286 (1995).
	24	MANNA, et al., Journal of Immunology, Vol. 164, pp. 2095-2102 (1999).
	25	SULLIVAN, et al., J. Med. Chem., Vol. 41, pp. 413-419 (1998).
	26	MATSUMOTO, et al., Bioorganic & Medicinal Chemistry Letters, Vol. 10, pp. 865-869 (2000).
	27	OKAMOTO, 18th Meeting of Japanese Inflammatory Society, pp. 57, (2000), accompanied by an English translation.
	28	MACIELAG, et al., J. Med. Chem., Vol. 41, pp. 2939-2945 (1998).
	29	ZWAAGSTRA, et al., Eur. J. Med. Chem., Vol. 31, pp. 861-874 (1996).
	30	SHARANIN, Zh. Org. Khim., Vol. 16, pp. 2185-2188 (1980), accompanied by an English language Abstract (provided by Chem. Abstract; 94:192195c)
	31	SOUTH, et al., J. Heterocyclic Chem., Vol. 28, pp. 1017-1024 (1991).
	32	TAJIKA, Yakugaku Zasshi, Vol. 81, pp. 1456-1459 (1961), accompanied by a partial English language translation .
	33	OKAMIYA, Nihon Kagaku Zasshi, Vol. 83, pp. 209-211 (1962), accompanied by a partial English language translation.
	34	YURA, et al., Chem. Pharm. Bull., Vol. 10, pp. 376-382 (1962).
	35	DÍEZ-BERRA, et al., Tetrahedron, Vol. 53, No. 33, pp. 11437-11448 (1997)
	36	HILL, et al., Cell, Vol. 73, pp. 395-406 (1993);
	37	MADAN, et al., Molecular Pharmacology, Vol. 58, No. 3., pp. 526-534 (2000).
	38	MATSUZAKI, et al., Amer. J. Reproductive Immunol., 1986, Vol. 40, pp. 291-294.
	39	UCHIIDE, et al., Nikkei Medical, 2002, No. 415, page 28, accompanied by an English translation.
	40	UCHIIDE, et al., Fertility and Sterility, 2002, Vol. 78, No. 4, page 782-786.
	41	CHEGINI, Frontiers in Bioscience, 2002, Vol. 7, page e91-115.
	42	AISEN, Journal of Pain and Symptom Management, 2002, Vol. 23, No. 4, page S35-40.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P29138	Application No. 10/564,407
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Akiko ITAI et al.	
		Filing Date July 16, 2004	Group Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	41	BAUD, et al., Trends in Cell Biology, 2001, Vol. 11, No. 9, page 372-377
	42	DAIDONE, et al., Farmaco, 1989, Vol. 44, No. 5, page 465-473.
	43	DJURIC et al., Journal of Medicinal Chemistry, 2000, Vol.43, No.16, pp. 2975-2981.
	44	DOU, et al., Proceedings of The National Academy of Sciences of the United States of America, 2003, Vol.100, No. 2, page 721-726.
	45	DUMAS, et al., Bioorganic and Medicinal Chemistry Letters, 1999, Vol. 9, No.17, pp. 2531-2536.
	46	ELDAR-FINKELMAN, Trends of Molecular Medicine, 2002, Vol. 8, No. 3, pp. 126-132.
	47	FRAME, et al., The Biochemical Journal, 2001, Vol. 359, No. PT1, page 1-16.
	48	HOSHI, et al., Proceedings of The National Academy of Sciences of the United States of America, 1996, Vol. 93, No. 7, pp. 2719-2723.
	49	HIS, R. et al., The Journal of Organic Chemistry, 1972, Volume 37, No. 22, pp. 3427-3431.
	50	HUNT, et al., The Journal of the Chemical Society, 1956, pp. 3099-3107.
	51	INABA, et al., Chemical and Pharmaceutical Bulletin, 2000, Vol. 48, pp. 131-139.
	52	ISHIGE, et al., Yakugaku Zasshi, 1999, Vol. 119, No. 7, pp. 510-518
	53	KANG, et al., Neuroreport, 2001, Vol. 12, No.7, pp. 1449-1452.
	54	KARIN, et al., Proceedings of The National Academy of Science of The United States of America, 1998, Vol. 95, No.16, pp. 9067-9069.
	55	KARTTUNEN, et al., Proceedings of the National Academy of Sciences of United States of America, 1991, Volume 88, No. 9, pp. 3972-3976.
	56	KAYTOR, et al., Current Opinion of Neurobiology, 2002, Vol. 12, No. 3, pp. 275-278.
	57	KIM, et al., The Journal of Clinical Investigation, 2001, Volume 108, No. 3, pp. 437-446.
	58	KLOSA, Journal für Praktische Chemie, 1964, Volume 25, No.1-2, page 48-55 together with English language Abstract (provided by Chemical Abstracts) of the same, Column 4022, paragraph 6-Column 4023.
	59	KONTA, et al., The Journal of Biological Chemistry, 2001, Vol. 276, No. 16, pp. 12697-12701.
	60	LADVA, et al., Indian Journal of Chemistry, Section B, 1996, Vol. 35B, No.10, pp. 1062-1066.
	61	LEE, et al., Proceedings of The National Academy of Science of The United States of America, 1998, Vol. 95, No.16, pp. 9319-9324.
	62	MAILLIOT, et al., Annals of The New York Academy of Science, 2000, Vol. 920, pp. 107-114.
	63	MATTSON, et al., The Journal of Clinical Investigation, 2001, Vol. 107, No. 3, pp. 247-254.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P29138		Application No. 10/564,407	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Akiko ITAI et al.			
				Filing Date July 16, 2004		Group Unknown	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		9 9 6 0 7 4	06/13/65 02/27/00	GERMANY GB			
	97	/ 0 9 3 1 5	03/13/97	W.I.P.O			
	11	- 5 1 2 3 9 9	10/26/99	JAPAN			
	9	- 2 2 7 5 6 1	09/02/97	JAPAN			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	64	MATTSON, et al., Cell and Tissue Research, 2000, Vol. 301, No. 1, pp. 173-187.					
	65	MILLET, et al., The Journal of Biological Chemistry, 2000, Vol. 275, No. 20, pp. 15114-15121.					
	66	MORI, et al., Yakugaku Zasshi, 1975, Vol. 95, No. 12, pp. 1477-1482, together with an English language abstract of the same.					
	67	NOBLE, et al., Neuron, 2003, Vol. 38, No. 4, pp. 555-565.					
	68	PALANKI, et al., Current Medicinal Chemistry, 2002, Volume 9, No. 2, page 219-227.					
	69	PHIEL, et al., Nature, 2003, Vol. 423, No.6938, pp. 435-439.					
		PIU, F. et al., Molecular and Cellular Biology, 2001, Vol. 21, No. 9, pp. 3012-3024.					
	70	ROBERT-PIESSARD, et al., Pharmaceutical Science, 1997, Vol. 3, No. 5/6, pp. 295-299.					
	71	SATO, et al., The Journal of Biological Chemistry, 2002, Vol. 277, No. 44, pp. 42060-42065.					
	72	UMEZAWA, Surgery Frontier, 2002, Vol. 9, No. 2, pp. 88-91, together with English language translation of the same.					
	73	UPADHYAY, et al., Indian Journal of Heterocyclic Chemistry, 1991, Vol. 1, No. 2, pp. 71-74.					
	74	WAISSER, et al., Archiv der Pharmazie, 1998, Vol. 331, No.1, pp. 3-6.					
	75	WAJANT, Cellular Signaling, 2001, Vol. 13, No. 6, pp. 389-400.					
	76	WEST, et al., Analytical Biochemistry, 1990, Volume 190, No. 2, pp. 254-258.					
	77	WON, et al., Neuroscience, 1999, Vol. 94, No.1, pp. 83-91.					
	78	YIN, et al., Cell, 1998, Vol. 93, No. 5, pp. 875-884.					
	79	XU, et al., The Journal of Neuroscience, 2001, Vol. 21, No.1, RC118, 5 pages.					
	80	YAMAMOTO, et al., The Journal of Clinical Investigation, 2001, Vol. 107, No. 2, pp. 135-142.					
	81	YUAN, et al., Science, 2001, Volume 293, pp. 1673-1677.					
	82	OHSUGI, et al., Yakugaku Zasshi, 1976, Vol. 96, No. 2, pp. 165-169, together with an English language Abstract of the same.					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P29138		Application No. 10/564,407	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Akiko ITAI et al.			
				Filing Date July 16, 2004		Group Unknown	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 5 6 0 5 4 9	12/24/85	RITCHEY			
		4 7 4 2 0 8 3	05/03/88	RITCHEY			
		4 7 2 5 5 9 0	02/16/88	RITCHEY			
		5 9 5 8 9 1 1	09/28/99	EVANS et al.			
		4 2 8 7 1 9 1	09/01/81	COBURN et al.			
		3 3 3 1 8 7 4	07/18/67	HERBERT et al.			
		3 9 0 6 0 2 3	09/16/75	BUCHER et al.			
		4 6 6 1 6 3 0	04/28/87	HARIGAYA et al.			
		6 2 2 5 3 2 9	05/01/05	RICHTER et al.			
		6 2 6 2 0 4 4	07/17/01	MOELLER et al.			
		6 4 1 0 5 8 6	06/25/02	MOELLER et al.			
	2002	/ 0 0 2 1 9 9	01/03/02	JEPPESEN et al.			
	2002	/ 0 1 9 4 1 2	02/14/02	ANDERSEN et al.			
	2002	/ 1 6 5 3 9 8	01/07/02	JEPPESEN et al.			
	2003	/ 0 6 9 2 6 7	04/10/03	MOELLER et al.			
		5 8 5 2 0 2 8	12/22/98	SUTO et al.			
		5 8 1 1 4 2 8	09/22/98	SUTO et al.			
		5 9 3 5 9 6 6	08/10/99	SUTO et al.			

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	10	- 8 7 4 9 1	04/07/98	JAPAN			
		1 0 1 8 5 1 4	07/12/00	E.P.O			
	00	/ 0 5 2 3 4	02/03/00	W.I.P.O			
	10	- 4 5 7 3 8	02/17/98	JAPAN			
	93	/ 2 4 1 1 5	12/09/93	W.I.P.O			
	96	/ 1 7 8 3 2	03/13/96	W.I.P.O			
	98	/ 2 0 8 6 4	05/22/98	W.I.P.O			
	99	/ 2 4 4 0 4	05/20/99	W.I.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Yamamoto, Chem. Pharm. Bull. Vol. 44 (4): 734-745 (1996)

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29138Application No.
10/564,407INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Akiko ITAI et al.Filing Date
July 16, 2004Group
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 0 2 2 8 8 4	02/08/00	MANTLO et al.			
		6 6 5 3 3 0 9	11/25/03	SAVNDER et al.			
	2004	/ 0 8 7 6 5 0	05/06/04	SAVNDER et al.			
		6 4 1 4 0 1 3	07/02/02	FANCELLI et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	99	/ 4 6 2 6 7	09/16/99	W.I.P.O				
	2002	- 5 0 6 0 7 2	02/26/02	JAPAN				
	99	/ 5 5 6 6 3	11/04/99	W.I.P.O				
	00	/ 0 3 9 9 1	01/27/00	W.I.P.O				
	00	/ 3 5 4 4 2	06/22/00	W.I.P.O				
	01	/ 0 0 2 1 3	01/04/01	W.I.P.O				
	01	/ 4 4 2 1 7	06/21/01	W.I.P.O				
	01	/ 6 8 6 4 8	09/20/01	W.I.P.O				
	01	/ 9 8 2 9 0	12/27/01	W.I.P.O				
	2004	- 5 0 1 1 4 6	01/15/04	JAPAN				
	02	/ 2 8 8 1 9	04/11/02	W.I.P.O				
		1 0 8 8 8 1 9	04/04/01	E.P.O				
	2001	- 1 1 4 7 6 8	04/24/01	JAPAN				
		0 5 5 1 8 4 9	07/21/93	E.P.O				
		6 - 9 4 7 6	01/18/94	JAPAN				
		0 4 5 2 8 7 3	10/23/91	E.P.O				
	4	- 2 1 7 9 8 1	08/07/92	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	83	English language Abstract of JP11-512399.
	84	English language Abstract of JP 9-227561.
	85	English language Abstract of JP 10-87491.
	86	English language Abstract of JP 10-45738.
	87	English Language Abstract of 2-138260.
	88	English Language Abstract of JP 62-81359.
	89	English Language Abstract of JP 2000-80041.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29138Application No.
10/564,407INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Akiko ITAI et al.Filing Date
July 16, 2004Group
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CL AS S	SUBCLASS	FILING DATE IF APPROPRIATE
		6 7 8 7 6 5 2	09/07/04	DOW et al.			
	2004	/ 1 5 7 8 4 4	08/12/04	DOW et al.			
		5 5 8 9 5 1 4	12/30/96	NAIK et al.			
		5 7 7 6 9 7 7	07/07/98	NAIK et al.			
		6 1 5 9 9 8 8	12/12/00	NAIK et al.			
		5 1 2 6 3 4 1	06/30/92	SVZUKI et al.			
		6 5 6 6 3 9 4	05/20/03	TAKEUCHI et al.			
		4 7 8 6 6 4 4	11/22/88	GLAMKOWSKI et al.			
		4 9 5 2 5 8 8	08/28/90	GLAMKOWSKI et al.			
		4 9 6 6 9 0 6	10/30/90	GLAMKOWSKI et al.			
		4 9 3 9 1 3 3	07/03/90	CONNOR et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		0 4 8 3 8 8 1	05/06/92	E.P.O			
		1 2 0 5 4 7 8	05/15/02	E.P.O			
	01	/ 1 0 8 6 5	02/15/01	W.I.P.O			
		0 1 9 8 4 5 6	10/22/86	E.P.O			
		1 2 1 9 5 9 6	07/03/02	E.P.O			
	01	/ 1 2 5 8 8	02/22/01	W.I.P.O			
		0 3 1 7 9 9 1	05/31/89	E.P.O			
	2	- 1 3 8 2 6 0	05/28/90	JAPAN			
		0 2 2 1 3 4 6	05/13/87	E.P.O			
	62	- 8 1 3 5 9	04/14/62	JAPAN			
	2000	- 8 0 0 4 1	03/21/00	JAPAN			
	9	- 1 6 9 7 4 7	06/30/97	JAPAN			
	63	- 1 0 4 9 1 2	05/10/88	JAPAN			
	11	- 2 1 2 4 3	01/26/99	JAPAN			
	11	- 2 1 7 3 6 1	08/10/99	JAPAN			
	8	- 1 7 5 9 9 0	07/09/96	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

--	--	--

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29138Application No.
10/564,407INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Akiko ITAI et al.Filing Date
July 16, 2004Group
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 6 5 9 7 1 0	07/21/87	SATO et al.			
	4 6 9 0 9 2 4	09/01/87	SATO et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	4 - 2 1 7 9 1 6	08/07/92	JAPAN			
	62 - 3 0 7 8 0	02/09/87	JAPAN			
	2000 - 1 6 9 4 7 9	06/20/00	JAPAN			
	52 - 1 1 0 8 3 5	09/17/77	JAPAN			
	2 0 3 1 4 1 0	04/23/80	GERMANY GB			
	1 4 8 1 7 1 3	10/11/65	FRANCE			
2002	512997 T	5/8/02	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

87	English Language Abstract of JP09-169747.
88	English Language Abstract of JP63-104912.
89	English Language Abstract of JP11-21243.
90	English Language Abstract of JP11-217361.
91	English Language Abstract of JP8-175990.
92	English Language Abstract of JP4-217916.
93	English Language Abstract of JP 62-30780.
94	English Language Abstract of JP 2000-169479.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.